

Serial No: 08/444,934
Filed: May 22, 1995
AMENDMENT UNDER 37 C.F.R. § 1.129(a)

this Amendment is a Declaration Under 37 C.F.R. § 1.132 of William Konigsberg. The original Declaration will be transmitted under separate cover by mail.

In the Claims

SJ
4. (three times amended) Purified human tissue [Tissue] factor protein selected from the group consisting of tissue factor having an amino acid sequence as provided in Figure 2 from at least amino acid residue three to at least amino acid residue 219, [wherein a hydrophilic residue is substituted for a hydrophobic residue, tissue factor wherein a cysteine or proline is substituted with any other amino acid residue, tissue factor wherein a residue having an electropositive side chain is substituted for an electronegative residue,] and human tissue factor having an amino acid sequence as provided in Figure 2 from at least amino acid residue three to at least amino acid residue 219 wherein a residue [having a bulky side chain is substituted for one not having a side chain] at an N- or O-glycosylation site is substituted or deleted, wherein the tissue factor has activity in a clotting assay with human plasma.

GZ
6. (twice amended) The tissue factor protein of claim 4 having [the mature tissue factor protein] an amino acid sequence [of] as provided in Figure 2 from at least amino acid residue three to at least amino acid residue 219 [in which from one to ten amino acids have been inserted, deleted or substituted].

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8. (twice amended) The tissue factor protein of claim [6] 4 having an amino acid sequence as provided in Figure 2 [wherein the amino acid residues 221 to 241 are deleted].

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20. (twice amended) A soluble isolated tissue factor with the amino acid sequence shown in Figure 2 from amino acid one, two or three to an amino acid residue selected from the group between amino acid residues 219 to [less than] amino acid residue 263, wherein the tissue factor has activity in a clotting assay.

26. (amended) The tissue factor of claim 20 having the sequence shown in Figure 2 between amino acid residues one, two or three and 219 and [at least some of the region] between amino acid residues 243 to 263.

Please add the following new claims.

27. A recombinant human tissue factor comprising the amino acid sequence shown in Figure 2 from amino acid residue three to amino acid residue 219 expressed in a host cell selected from the group consisting of prokaryotic cells, non-human animal cells, insect cells, plant cells, and yeast, having activity in a clotting assay.

28. The recombinant human tissue factor of claim 27 which is not glycosylated.

29. The recombinant human tissue factor of claim 27 comprising the amino acid sequence shown in Figure 2 from amino acid residue three to amino acid residue 263.

30. A recombinant human tissue factor fusion protein having activity in a clotting assay.